

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-44 (canceled).

1 Claim 45 (currently amended): A rotary compressor comprising:
2 an electric element, and first and second rotary compression elements driven by the electric
3 element, these components being provided in a hermetically sealed container, CO₂ refrigerant gas
4 compressed by the first rotary compression element being discharged into the hermetically sealed
5 container, and the discharged refrigerant gas of intermediate pressure being further compressed by
6 the second rotary compression element;
7 a cylinder constituting the second rotary compression element;
8 a support member adapted to seal an opening surface of the cylinder, and provided with a
9 bearing of a rotary shaft erected on a center part;
10 a discharge muffler chamber formed in the support member outside the bearing, and
11 communicated with an inside of the cylinder;
12 a cover having a peripheral part fixed to the support member by a bolt to seal an opening of

13 the discharge muffler chamber;

14 a gasket held between the cover and the support member; and

15 an O ring provided between an inner peripheral end surface of the cover and an outer
16 peripheral surface of the bearing ~~The rotary compressor according to claim 8~~, wherein no sealing
17 surfaces are formed on a base of the bearing.

1 Claim 46 (previously presented): The rotary compressor according to claim 45, wherein the
2 cover is not fixed to the bearing by a C ring.

1 Claim 47 (currently amended): A rotary compressor comprising:
2 an electric element, and first and second rotary compression elements driven by the electric
3 element, these components being provided in a hermetically sealed container, CO₂ refrigerant gas
4 compressed by the first rotary compression element being discharged into the hermetically sealed
5 container, and the discharged refrigerant gas of intermediate pressure being further compressed by
6 the second rotary compression element;

7 a cylinder constituting the second rotary compression element;

8 a support member adapted to seal an opening surface of the cylinder on the electric element
9 side, and provided with a bearing of a rotary shaft erected on a center part;

10 a discharge muffler chamber formed in the support member outside the bearing, and
11 communicated with an inside of the cylinder; and

12 a cover attached to the support member to seal an opening of the discharge muffler chamber,
13 wherein a thickness dimension of the cover is set to greater than or equal to 2 mm and less
14 than or equal to 10 mm,

15 wherein the cover has a peripheral part fixed to the support member by a bolt, a gasket is held
16 between the cover and the support member, and an O ring is provided between an inner peripheral
17 end surface of the cover and an outer surface of the bearing ~~The rotary compressor according to~~
18 ~~claim 11~~, wherein no sealing surfaces are formed on a base of the bearing.

1 Claim 48 (previously presented): The rotary compressor according to claim 47, wherein the
2 cover is not fixed to the bearing by a C ring.

1 Claim 49 (currently amended): A rotary compressor comprising:
2 an electric element, and first and second rotary compression elements driven by the electric
3 element, both components being provided in a hermetically sealed container, gas compressed by the
4 first rotary compression element being discharged into the hermetically sealed container, and the
5 discharged gas of intermediate pressure being further compressed by the second rotary compression
6 element;

7 first and second cylinders respectively constituting the first and second rotary compression
8 elements;

9 a first support member adapted to seal an opening surface of the first cylinder, and provided

10 with a bearing of a rotary shaft of the electric element;

11 a second support member adapted to seal an opening surface of the second cylinder, and
12 provided with a bearing of the rotary shaft; and

13 a carbon bush provided between one of the bearings of the first and second support members
14 and the rotary shaft;

15 wherein the bush is provided in the bearing of the second support member ~~The rotary~~
16 ~~compressor according to claim 32,~~ wherein the compressor includes an oil reservoir, the first support
17 member is adjacent to the oil reservoir, and no bushing is on the first support member.

1 Claim 50 (new): A rotary compressor comprising:

2 an electric element, and first and second rotary compression elements driven by the electric
3 element, these components being provided in a hermetically sealed container, CO₂ refrigerant gas
4 compressed by the first rotary compression element being discharged into the hermetically sealed
5 container, and the discharged refrigerant gas of intermediate pressure being further compressed by
6 the second rotary compression element;

7 a cylinder constituting the second rotary compression element;

8 a support member adapted to seal an opening surface of the cylinder on the electric element
9 side, and provided with a bearing of a rotary shaft erected on a center part;

10 a discharge muffler chamber formed in the support member outside the bearing, and
11 communicated with an inside of the cylinder; and

12 a cover attached to the support member to seal an opening of the discharge muffler chamber,
13 wherein a thickness dimension of the cover is set to greater than or equal to 2 mm and less
14 than or equal to 10 mm,
15 wherein a thickness of the cover is set to 6 mm,
16 wherein the cover has a peripheral part fixed to the support member by a bolt, a gasket is
17 held between the cover and the support member, and an O ring is provided between an inner
18 peripheral end surface of the cover and an outer surface of the bearing.

1 Claim 51 (new): The rotary compressor according to claim 50, wherein the cover is not
2 fixed to the bearing by a C ring,

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